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## Patent Abstracts of Japan

PUBLICATION NUMBER : 08079633  
PUBLICATION DATE : 22-03-96

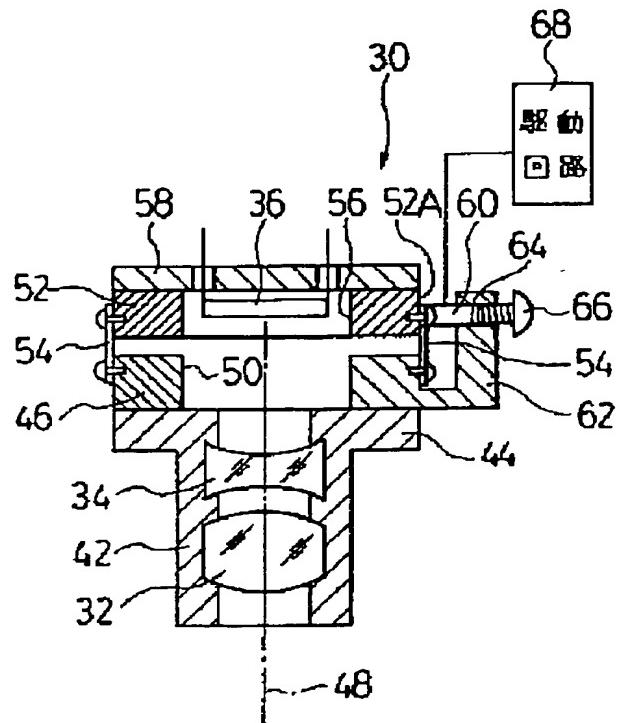
APPLICATION DATE : 01-09-94  
APPLICATION NUMBER : 06208377

APPLICANT : FUJI PHOTO FILM CO LTD;

INVENTOR : KONDO SHIGERU;

INT.CL. : H04N 5/335 H04N 5/225

TITLE : PHOTOGRAPHING DEVICE



ABSTRACT : PURPOSE: To provide a photographing device which can remove dust adhered to an image pickup part constituted by a CCD and the like with simple structure.

CONSTITUTION: The lens barrel 42 of an image pickup unit 30 is fixed to a film image input device main body. A fixing stand 46 is fixed on the flange 44 of the lens barrel 42. A pedestal 52 to which a CCD line sensor 36 is fitted is supported to the fixing stand 46 through flat springs 54, 54..., and it can be vibrated against the fixing stand 46 by the elastic force of the flat springs 54, 54... A piezo element 60 is provided for the arm 62 of the fixing stand 46, and the end part of the piezo element 60 is made abutted on the peripheral part 52A of the pedestal 52. When a drive circuit 68 is driven and voltage is impressed on the piezo element 60, the pedestal 52 is hammered by the piezo element 60 by the stress deformation of the piezo element 60 and it vibrates. Thus, the CCD line sensor 36 is vibrated through the pedestal 52, and dust adhered to the CCD line sensor 36 is removed by the vibration.

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